

Title (en)
Plug and socket electrical connector system

Title (de)
Elektrisches Steckverbindingssystem

Title (fr)
Système de connecteur électrique à fiche et prise

Publication
EP 0600120 B1 19970312 (EN)

Application
EP 92120544 A 19921202

Priority
• EP 92120544 A 19921202
• SG 1996003387 A 19921202

Abstract (en)
[origin: EP0600120A1] A shielded plug and socket electrical connector system is provided for interconnecting a plurality of shielded electrical cables (46) with a printed circuit board (24). A plurality of plug connectors (56) each include a dielectric housing (70) adapted for mounting a plurality of terminals terminated to conductors (78) of a shielded cable (80), along with a two-part shielding hood (66,68) configured for substantially enclosing the housing. Each plug connector (56) includes a stamped and formed metal grounding contact (72) fitted within one part (66) of the two-part shielding hood. The grounding contact includes a first portion (122) adapted for conductively engaging a shield (82) of the cable and a second portion (124) exposed exteriorly of the hood. A socket connector (48) is adapted for mounting to the printed circuit board (24) and includes an elongated dielectric housing (140) defining a plurality of receptacles (52) for receiving a plurality of the plug connectors (56). The socket connector includes a stamped and formed metal grounding bar (142) extending lengthwise of the housing and including at least one first portion (154) adapted for conductive connection to a grounding trace on the printed circuit board (24). The grounding bar (142) includes a plurality of second portions (160) exposed at the receptacles of the socket connector for respectively engaging the second portions (124) of the grounding contacts (72) of the plug connectors when received in the receptacles of the socket connector. <IMAGE>

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IPC 8 full level
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CPC (source: EP KR US)
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H01R 24/62 (2013.01 - KR); **H01R 12/724** (2013.01 - EP US)

Cited by
CN104347974A; EP1193805A1; CN106463858A; CN114223101A; EP0736936A3; SG93187A1; CN100380746C; EP0907221A3; US6746265B2; WO0243193A1

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